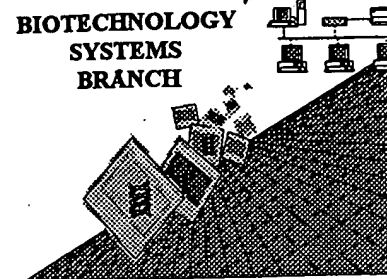


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/580,156
Art Unit / Team No. : 01PE
Date Processed by STIC: 6/8/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANT:
BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT
COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO
COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT
WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM
WILL BE ERROR FREE.**

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/880,156

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces:

- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)

- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/580,156

DATE: 06/08/2000
TIME: 14:52:03

Input Set : A:\97489us1.app
Output Set: N:\CRF3\06082000\I580156.raw

PP. 5, 4

3 <110> APPLICANT: SANDBERG, LAWRENCE
4 MITTS, THOMAS F.
6 <120> TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
8 <130> FILE REFERENCE: 97-489-US-P
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/580,156
C--> 11 <141> CURRENT FILING DATE: 2000-05-30
13 <150> PRIOR APPLICATION NUMBER: 09/039,308
14 <151> PRIOR FILING DATE: 1998-03-13
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/05496
17 <151> PRIOR FILING DATE: 1999-03-12
19 <160> NUMBER OF SEQ ID NOS: 54
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1,
24 <211> LENGTH: 3
25 <212> TYPE: PRT
26 <213> ORGANISM: mammalian
28 <400> SEQUENCE: 1
29 Ala Val Gly
30 1
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 4
35 <212> TYPE: PRT
36 <213> ORGANISM: mammalian
38 <400> SEQUENCE: 2
39 Val Gly Ala Gly
40 1
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 3
45 <212> TYPE: PRT
46 <213> ORGANISM: mammalian
48 <400> SEQUENCE: 3
49 Ile Gly Gly
50 1
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 2
55 <212> TYPE: PRT
56 <213> ORGANISM: mammalian
58 <400> SEQUENCE: 4
59 Leu Gly
60 1
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 4
65 <212> TYPE: PRT
66 <213> ORGANISM: mammalian
68 <400> SEQUENCE: 5
69 Ile Gly Ala Gly
70 1

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/580,156
DATE: 06/08/2000
TIME: 14:52:03

Input Set : A:\97489usl.app
Output Set: N:\CRF3\06082000\I580156.raw

73 <210> SEQ ID NO: 6
74 <211> LENGTH: 3
75 <212> TYPE: PRT
76 <213> ORGANISM: mammalian
78 <400> SEQUENCE: 6
79 Leu Gly Gly
80 1
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 4
85 <212> TYPE: PRT
86 <213> ORGANISM: mammalian
88 <400> SEQUENCE: 7
89 Val Ala Pro Gly
90 1
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 4
95 <212> TYPE: PRT
96 <213> ORGANISM: mammalian
98 <400> SEQUENCE: 8
99 Leu Gly Pro Gly
100 1
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 4
105 <212> TYPE: PRT
106 <213> ORGANISM: mammalian
108 <400> SEQUENCE: 9
109 Leu Gly Ala Gly
110 1
113 <210> SEQ ID NO: 10
114 <211> LENGTH: 4
115 <212> TYPE: PRT
116 <213> ORGANISM: mammalian
118 <400> SEQUENCE: 10
119 Val Gly Pro Gly
120 1
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 4
125 <212> TYPE: PRT
126 <213> ORGANISM: mammalian
128 <400> SEQUENCE: 11
129 Phe Gly Pro Gly
130 1
133 <210> SEQ ID NO: 12
134 <211> LENGTH: 4
135 <212> TYPE: PRT
136 <213> ORGANISM: mammalian
138 <400> SEQUENCE: 12
139 Val Gly Pro Gln
140 1

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/580,156

DATE: 06/08/2000
TIME: 14:52:03

Input Set : A:\97489us1.app
Output Set: N:\CRF3\06082000\I580156.raw

143 <210> SEQ ID NO: 13
144 <211> LENGTH: 3
145 <212> TYPE: PRT
146 <213> ORGANISM: mammalian
148 <400> SEQUENCE: 13
149 Leu Gly Ala
150 1
153 <210> SEQ ID NO: 14
154 <211> LENGTH: 4
155 <212> TYPE: PRT
156 <213> ORGANISM: mammalian
158 <400> SEQUENCE: 14
159 Val Gly Pro Ala
160 1
163 <210> SEQ ID NO: 15
164 <211> LENGTH: 4
165 <212> TYPE: PRT
166 <213> ORGANISM: mammalian
168 <400> SEQUENCE: 15
169 Val Val Pro Gly
170 1
173 <210> SEQ ID NO: 16
174 <211> LENGTH: 4
175 <212> TYPE: PRT
176 <213> ORGANISM: mammalian
178 <400> SEQUENCE: 16
179 Ala Val Pro Gly
180 1
183 <210> SEQ ID NO: 17
184 <211> LENGTH: 4
185 <212> TYPE: PRT
186 <213> ORGANISM: mammalian
188 <400> SEQUENCE: 17
189 Val Val Pro Gln
190 1
193 <210> SEQ ID NO: 18
194 <211> LENGTH: 6
195 <212> TYPE: PRT
196 <213> ORGANISM: mammalian
198 <400> SEQUENCE: 18
199 Val Ala Ala Arg Pro Gly
200 1 5
203 <210> SEQ ID NO: 19
204 <211> LENGTH: 7
205 <212> TYPE: PRT
206 <213> ORGANISM: mammalian
208 <400> SEQUENCE: 19
209 Leu Gly Ala Gly Gly Ala Gly
210 1 5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/580,156

DATE: 06/08/2000

TIME: 14:52:03

Input Set : A:\97489usl.app

Output Set: N:\CRF3\06082000\I580156.raw

213 <210> SEQ ID NO: 20
 214 <211> LENGTH: 4
 215 <212> TYPE: PRT
 216 <213> ORGANISM: mammalian
 218 <400> SEQUENCE: 20
 219 Ala Ile Pro Gly
 220 1
 223 <210> SEQ ID NO: 21
 224 <211> LENGTH: 5
 225 <212> TYPE: PRT
 226 <213> ORGANISM: mammalian
 228 <400> SEQUENCE: 21
 229 Leu Gly Pro Gly Gly
 230 1 5
 233 <210> SEQ ID NO: 22
 234 <211> LENGTH: 5
 235 <212> TYPE: PRT
 236 <213> ORGANISM: mammalian
 238 <400> SEQUENCE: 22
 239 Ala Ala Ala Gln Ala
 240 1 5
 243 <210> SEQ ID NO: 23
 244 <211> LENGTH: 5
 245 <212> TYPE: PRT
 246 <213> ORGANISM: mammalian
 248 <400> SEQUENCE: 23
 w--> 249 Val Gly Val Xaa Gly → see item 10 on Erra Summary Sheet
 250 1 5
 253 <210> SEQ ID NO: 24
 254 <211> LENGTH: 5
 255 <212> TYPE: PRT
 256 <213> ORGANISM: mammalian
 258 <400> SEQUENCE: 24
 259 Val Tyr Pro Gly Gly
 260 1 5
 263 <210> SEQ ID NO: 25
 264 <211> LENGTH: 6
 265 <212> TYPE: PRT
 266 <213> ORGANISM: mammalian
 268 <400> SEQUENCE: 25
 269 Ile Gly Gly Val Gly Gly
 270 1 5
 273 <210> SEQ ID NO: 26
 274 <211> LENGTH: 6
 275 <212> TYPE: PRT
 276 <213> ORGANISM: mammalian
 278 <400> SEQUENCE: 26
 279 Val Ala Pro Gly Val Gly
 280 1 5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/580,156

DATE: 06/08/2000

TIME: 14:52:03

Input Set : A:\97489usl.app

Output Set: N:\CRF3\06082000\I580156.raw

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283 <210> SEQ ID NO: 27
284 <211> LENGTH: 5
285 <212> TYPE: PRT
286 <213> ORGANISM: mammalian
288 <400> SEQUENCE: 27
289 Leu Gly Val Gly Gly
290 1 5
293 <210> SEQ ID NO: 28
294 <211> LENGTH: 4
295 <212> TYPE: PRT
296 <213> ORGANISM: mammalian
298 <400> SEQUENCE: 28
299 Leu Val Pro Gly
300 1
303 <210> SEQ ID NO: 29
304 <211> LENGTH: 5
305 <212> TYPE: PRT
306 <213> ORGANISM: mammalian
308 <400> SEQUENCE: 29
309 Phe Arg Ala Ala Ala
310 1 5
313 <210> SEQ ID NO: 30
314 <211> LENGTH: 6
315 <212> TYPE: PRT
316 <213> ORGANISM: mammalian
318 <400> SEQUENCE: 30
319 Val Gly Gly Val Pro Gly
320 1 5
323 <210> SEQ ID NO: 31
324 <211> LENGTH: 5
325 <212> TYPE: PRT
326 <213> ORGANISM: mammalian
328 <400> SEQUENCE: 31
329 Phe Gly Pro Gly Gly
330 1 5
333 <210> SEQ ID NO: 32
334 <211> LENGTH: 5
335 <212> TYPE: PRT
336 <213> ORGANISM: mammalian
338 <400> SEQUENCE: 32
339 Val Gly Val Pro Gly
340 1 5
343 <210> SEQ ID NO: 33
344 <211> LENGTH: 6
345 <212> TYPE: PRT
346 <213> ORGANISM: mammalian
348 <400> SEQUENCE: 33
349 Val Leu Pro Gly Ala Gly
350 1 5

```

PSI
↓

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 06/08/2000

PATENT APPLICATION: US/09/580,156

TIME: 14:52:04

Input Set : A:\97489usl.app

Output Set: N:\CRF3\06082000\I580156.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:249 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:23
L:249 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:23
L:249 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:249 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
L:249 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23
L:359 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:34
L:359 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:34
L:359 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:359 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:34
L:359 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34